

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C69/54 C07C69/96 C07C22/04 C07C49/80 C07C233/15  
 C07C271/28 C08F36/20 C09K21/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C08F C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>JURS J L ET AL: "Novel flame retardant polyarylethers: synthesis and testing" POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB, vol. 44, no. 13, June 2003 (2003-06), pages 3709-3714, XP004428313 ISSN: 0032-3861 cited in the application schemes 1-3</p> <p style="text-align: center;">----- -/--</p>	1-32



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

4 November 2004

Date of mailing of the international search report

18/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

O'Sullivan, P

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ZHANG H ET AL: "Thermal decomposition and flammability of fire-resistant, UV/visible-sensitive polyarylates, copolymers and blends"  POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB,  vol. 43, no. 20,  1 September 2002 (2002-09-01), pages 5463-5472, XP004374459  ISSN: 0032-3861  the whole document</p>	1-32
P,A	<p>STOLIAROV S I ET AL: "Mechanism of the thermal decomposition of bisphenol C polycarbonate: nature of its fire resistance"  POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB,  vol. 44, no. 18, August 2003 (2003-08), pages 5469-5475, XP004441868  ISSN: 0032-3861  the whole document</p>	1-32
A	<p>FACTOR, A AND ORLANDO, C: "Polycarbonates from 1,1-dichloro-2,2-Bis(4-hydroxyphenyl)ethylene and bisphenol A: A highly flame-resistant family of engineering thermoplastics"  JOURNAL OF POLYMER SCIENCE, POLYMER CHEMISTRY EDITION.,  vol. 18, 1980, pages 579-592, XP002303922  USJOHN WILEY AND SONS. NEW YORK.  scheme 1</p>	1-32
X	<p>DATABASE BEILSTEIN  BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE;  XP002303923  Database accession no. 8066979  abstract  &amp; BEASLEY, H L ET AL: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY.,  vol. 46, no. 8, 1998, pages 3339-3352,  USAMERICAN CHEMICAL SOCIETY. WASHINGTON.</p>	1,23
X	<p>DATABASE BEILSTEIN  BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE;  XP002303924  Database accession no. 1995713  abstract  &amp; BEASLEY, H L ET AL: JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY.,  vol. 46, no. 8, 1998, pages 3339-3352,  USAMERICAN CHEMICAL SOCIETY. WASHINGTON.</p>	1,23